

A. AMENDMENT

Please amend claims 1, 2, 4, 6, 8, 11, 12 and 14 as follows:

1. (Amended) A projection tube comprising a panel ~~which forms~~ having a phosphor screen on an inner surface thereof, a funnel, a neck portion, and a stem portion which seals the neck portion, wherein:

the neck portion includes a first neck portion which constitutes a portion connected to the funnel and has a first outer ~~neck~~ diameter of the neck portion, and a second neck portion which accommodates an electron gun which emits a single electron beam toward the phosphor screen and has a second ~~neck~~ outer diameter of the neck portion,

the first ~~neck~~ outer diameter of the neck portion is set smaller than the second ~~neck~~ outer diameter of the neck portion,

the electron gun includes a main lens which is constituted of a final electrode and a focus electrode which has portion thereof inserted into the inside of the final electrode,

the final electrode has a large-diameter portion and a portion whose diameter is gradually decreased toward the phosphor screen, and

a high voltage ~~which~~ is applied to the final electrode is set to equal to or more than 25 KV.

2. (Amended) A projection tube according to ~~claims~~ claim 1, wherein the second outer a ~~neck~~ diameter of the ~~second~~ neck portion is set to equal to or more than 36.5 mm.

3. (Original) A projection tube according to claim 1 wherein said final electrode is constituted of a second anode and a shield cup.

4. (Amended) A projection tube according to claim 3, wherein ~~a neck~~ the second outer diameter of the ~~second~~ neck portion is set to equal to or more than 36.5 mm.

5. (Original) A projection tube according to claim 3, wherein an inner diameter of the shield cup is gradually decreased toward the phosphor screen.

6. (Amended) A projection tube according to claim 5, wherein ~~a neck~~ the second outer diameter of the ~~second~~ neck portion is set to equal to or more than 36.5 mm.

7. (Original) A projection tube according to claim 3, wherein the shield cup includes a large-diameter portion and a small-diameter portion and main lens is constituted of the large-diameter portion of the shield cup and the focus electrode.

8. (Amended) A projection tube according to claim 7, wherein ~~a second~~ the second outer diameter of the ~~second~~ neck portion is set to equal to or more than 36.5 mm.

9. (Original) A projection tube according to claim 1, wherein a neck graphite for supplying the high voltage is formed on an inner wall of the first neck portion and an inner wall of the second neck portion, and a bulb spacer contract which electrically connects the neck graphite and the final electrode is mounted on the large-diameter portion of the final electrode.

10. (Original) A projection tube according to claim 9, wherein the bulb spacer contact is mounted on the second anode.

11. (Original) A projection tube according to claim 1 wherein the first outer diameter of the neck portion is set to equal to or less than 29.1 mm.

12. (Amended) A projection tube according to claim 1, wherein the first outer diameter of the ~~first~~ neck portion is set to 29.1 mm and ~~a neck~~ the second outer diameter of the ~~second~~ neck portion is set to 36.5 mm.

13. (Original) A projection tube according to claim 1, wherein the high voltage is set to 30 kV or more.

14. (Amended) A projection tube comprising a panel ~~which forms~~ having a phosphor screen on an inner surface thereof a funnel, a neck portion and a stem portion which seals the neck portion, wherein:

the neck portion includes a first neck portion which constitutes a portion connected to the funnel and has a first ~~neck~~ outer diameter of the neck portion, and a second neck portion which has a second ~~neck~~ outer diameter of the neck portion,

Al *emtp.* the first ~~neck~~ outer diameter of the neck portion is set smaller than the second ~~neck~~ outer diameter of the neck portion,

a main lens portion of an electron gun which generates a single electron beam is disposed in the second neck portion,

the main lens is constituted of a final electrode and a focus electrode which has a portion thereof inserted into the inside of the final electrode,

the final electrode includes a large-diameter cylindrical portion which constitutes a portion in which the focus electrode is inserted, a small-diameter cylindrical portion of the phosphor screen side and a portion whose diameter is gradually decreased toward the phosphor screen, and

a high voltage ~~which is~~ applied to the final electrode is set to equal to or more than 25 KV.

15. (Original) A projection tube according to claim 14, wherein the small diameter cylindrical portion of the final electrode is disposed in the inside of the first neck portion.

16. (Original) A projection tube according to claim 14 wherein a neck graphite which supplies the high voltage is formed on an inner wall of the first neck portion and a bulb spacer contact which electronically connects the neck graphite and the final electrode is mounted on the small-diameter cylindrical portion of the final electrode.

17. (Original) A projection tube according to claim 14, wherein the neck graphite is not provided to an inner wall of the second neck portion.

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18. (Original) A projection tube according to claim 14 wherein a flange defining a diameter which is further smaller than an inner diameter of the small-diameter cylindrical portion is formed on a phosphor-screen-side end of the small-diameter portion of the final electrode.

19. (Original) A projection tube according to claim 14, wherein a cylindrical burring is formed on the inner side of the small-diameter cylindrical portion of the final electrode such that the cylindrical burring is extended from a phosphor-screen-side end portion toward of focus electrode side.
